

## **Abstract**

### **TITLE:**

Role of first check cystoscopy in non-muscle invasive bladder carcinoma - A prospective and historical cohort study

### **AIMS & OBJECTIVES:**

- 1) To study the incidence of bladder tumour recurrence at three months following Re-TURBT in non-muscle invasive bladder carcinoma (NMIBC).
- 2) To measure the compliance of patients to suggested follow up regime.
- 3) To identify factors that are associated with high risk of recurrence in those with NMIBC

### **METHODOLOGY:**

Patients managed for non muscle invasive bladder cancers were studied retrospectively from March 2013- February 2015 and prospectively from March 2015- February 2016. After getting permission from the medical records department and the Institutional ethics committee the patients were recruited in the above mentioned period. In this study a total of 239 patients were included (150 as retrospective and 89 as prospective). Patient details were entered in the specific proforma and analysed

### **RESULTS:**

Our study included 239 patients, out of which 19 patients had recurred at the 3 month check cystoscopy. 17 of these were males and 2 were females. Out of the 19 cases with recurrence 11 had tumours  $\leq$  3 cm and 8 had  $>$  3 cm. The p Value was 0.092. 6 patients

had solitary tumour and 13 had multifocal tumour (p Value: 0.039). 14 patients had high grade tumour and 5 had low grade tumour (p Value: 0.525). Of the 19 patients 10 had carcinoma in situ and 9 did not have carcinoma in situ (p Value: 0.000). 16 patients had recurred in patients who hadn't required 2<sup>nd</sup> resection and 3 in patients who had required 2<sup>nd</sup> resection (p Value: 0.012)

#### CONCLUSION:

Patients with multifocal tumours, carcinoma in situ and inadequate first resection had a higher risk of recurrence. The patients need 3 monthly follow up. The other patients do not need such a strict follow up regime.

#### Keywords:

Non muscle invasive bladder cancer (NMIBC), check cystoscopy, 3 monthly cystoscopy, Recurrence.